

(C) WPI/Derwent

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PA - (TELN-N) TELNITE KK

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XIC - C09K-007/02 ; E21B-021/00

XP - N1995-061751

AB - J07003254 The compsn. to be added to drilling fluid which employs seawater as solvent and is used for oil and natural gas drilling, civil engineering, mining, etc., is prepared by kneading 100 pts. wt. of (a) bentonite, 15-25 pts. wt. (b) CMC 3-10 pts. wt. of (c) polyacrylic acid polymer or copolymer, 20-35 pts. wt. of (d) zeolite, 3-10 pts. wt. of (d) dispersant and 5-15 pts. wt. of (e) inorganic salt homogeneously and reducing the mixt. to powder.

- (b) has a etherification degree of 0.5-1.6 (pref. 0.9-1.2) and a viscosity of higher than 250 (pref. 1,000-3,000) cps. (c) contains more than 90% of one to three monomers selected from among (meth)acrylamide, (meth)acrylic acid (salt), sodium styrenesulphonate, sodium vinylsulphonate and maleic anhydride and has a molecular weight of higher than 6 million (pref. 8-12 million). (d) includes acrylic polymer, sodium styrene-sulphonate, sodium humate, etc. (e) includes alkali metal and ammonium (bi)carbonates, alkali metal and ammonium (bi)sulphates, alkali metal salt of condensed phosphoric acid, alkali metal aluminate, etc. To prepare drilling fluid, 2.0-5.0 pts. wt. of the compsn. is added to 100 pts. wt. of seawater having a salt concn. of higher than 10,000 ppm.

- ADVANTAGE - The compsn. is readily dispersed in or swelled by seawater to produce drilling fluid with sufficient thickening effect.

IW - DRILL FLUID COMPOSITION READY DISPERSE SWELLING SEA WATER OBTAIN BENTONITE CMC POLYACRYLIC ACID ZEOLITE DISPERSE INORGANIC SALT

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NC - 001

OPD - 1991-01-28

ORD - 1995-01-06

PAW - (TELN-N) TELNITE KK

TI - Drilling fluid compsn. readily dispersed or swelled by sea water - obtd. from bentonite, CMC, polyacrylic acid zeolite, dispersant and inorganic salt

A01 - [001] 017 ; R00446 G0282 G0271 G0260 G0022 D01 D12 D10 D51 D53 D58 D60 D83 F36 F35 ; R00460 G0306 G0271 G0260 G0022 D01 D12 D10 D51 D53 D58 D60 D84 F36 F35 ; R00444 G0453 G0260 G0022 D01 D12 D10 D51 D53 D58 D83 F70 ; R00459 G0453 G0260 G0022 D01 D12 D10 D51 D53 D58 D84 F70 ; R00843 G0760 G0022 D01 D23 D22 D31 D42 D51 D53 D59 D65 D84 F39 E00 E01 ; G0282-R G0271 G0260 G0022 D01 D12 D10 D51 D53 D58 D83 F36 F35 G0306-R D84 D61-R ; G0191 G0102 G0022 D01 D12 D10 D19 D18 D31 D51 D53 D58 D60 D88 F62 D61-R Na 1A ; G0806 G0022 D01 D51 D53 D12 D10 D58

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